

LAND APPLICATION OF BIOSOLIDS SITE INSPECTION FORM

GENERAL INFORMATION:		DATE: 5/9/2005 – 5/18/2005	
COUNTY: Loudoun	CONTRACTOR/MUNICIPALITY: Synagro Mid Atlantic, Inc.		
NAME (OWNER/OPERATOR): Red Hill Farm LLC, Gary M. Callen / Farm Manager – Zack Hickman			
INSPECTED BY: Scott Haley (writer)	PERMIT NO: VDH BUR 63		
FIELD NO: LD104 – all fields	ACRES:		
OTHERS PRESENT: Jerry Franklin, Loudoun Co. HD; Zack Hickman, farm mgr.; Mr. Zendek, neighbor; others below by telephone			
FIELD DATA/OBSERVATIONS:		TIME: 5/18/2005 onsite 4:30 PM	
WEATHER: Cloudy	SOIL CONDITIONS: Dry		
BIOSOLIDS SOURCE: Blue Plains direct & BP stored in Cedarville	BIOSOLIDS TYPE: Lime Stabilized 22.52 CaCO ₃		
SOIL pH: range from 5.2 to 6.0	SOLIDS CONTENT OF BIOSOLIDS (%): @ 26.65		
APPLICATION RATE: *			
CROP AND EXPECTED YIELD: **Hay / Corn			
LOAD TO DATE (WT): *			
BIOSOLIDS APPLIED:	<input type="checkbox"/> LIQUID	<input checked="" type="checkbox"/> DEWATERED	
MODE OF APPLICATION:	<input checked="" type="checkbox"/> SURFACE	<input type="checkbox"/> SURFACE W/INCORP.	<input type="checkbox"/> INJECTION
APPLICATION LIMITED BY:	<input checked="" type="checkbox"/> NITROGEN 24.87 lbs. PAN/ DT	<input type="checkbox"/> pH	
	<input type="checkbox"/> MAX. HYDRAULIC LOADING (LIQUID BIOSOLIDS)		
	<input type="checkbox"/> MAX. SOLIDS LOADING (15 DRY TONS/ACRE)		
	<input type="checkbox"/> OTHER (SPECIFY):		
FIELD OBSERVATIONS			<u>YES</u>
BUFFERS OBSERVED:			<u>NO</u>
	UNIFORM APPLICATION:		x
	PROPER FIELD RECORDS:		x
	SIGNS OF RUNOFF:		*
	TRUCKS NON-SPILL/WATERTIGHT: N/A		x
	CONDITION OF HAUL ROUTE SATISFACTORY:		x
ODORS PRESENT:	<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> ABOVE NORMAL*
OVERALL CONDITION OF SITE:	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> FAIR	<input type="checkbox"/> POOR

COMMENTS: (*explain):

**PAN = Plant Available
Nitrogen**

5/09/2005 Mr. Haley received a telephone message from Jerry Franklin with the Loudoun County Health Department, concerning an odor complaint on the Red Hill Farm located near Lucketts.

5/10/2005 Jerry Franklin telephoned back to say that the odor was not excessive, that the material appeared to be stabilized correctly.

5/13/2005

Mr. Haley received another voice mail message from Jerry Franklin, who said that the site now had more of an ammonia odor than existed during the previous inspection and he thought that Mr. Haley should visit the site during the following week. He indicated that he would fax a list of complainants.

Mr. Haley spoke with Kelly Love with Synagro, who stated that the site was completed on 5/13/2005 and the equipment was currently being moved to another site in Loudoun County.

Mr. Haley spoke with the complainant who was concerned about odors at the site and possible runoff to his pond. We discussed his concerns and agreed that DWE could visit the site and his property the next week. The complainant was informed that the land application operations on the site had been completed.

5/16/2005

Mr. Haley received an email from Charlie Swanson, that Jerry Franklin had faxed a list of complainants.

5/17/2005

Mr. Haley called a complainant who stated that she had a daughter who was sick and expressed concerns about the possible impact of biosolids upon her current condition. Mr. Haley referred the complainant to Dr. Goodfriend, Loudoun County Health Department, and noted that the application operations were complete.

Mr. Haley called and left a message for another complainant that the application application operations were completed. Later spoke with the complainant about odors and the length of time that such odors may exist typically at certain sites.

Mr. Haley called several other complainants, who reported the presence of a fishy odor. Mr. Haley stated that the application operations were completed.

Mr. Haley spoke with Mr. Ed Stuart with DEQ, who was following up on a call that DEQ, NRO had received.

5/18/2005

Mr. Haley again traveled to the land application site and evaluated buffers and odors at the site. Due to excellent drying weather, the applied biosolids produced very little odor off-site.

The land application operation involved surface application to hay and pasture on fields along Lucketts Road which had been sprayed with herbicide to kill vegetation for the corn that was no-till planted in the sod.

Mr. Haley spoke with Zack Hickman, farm manager for Mr. Callen,

COPIES: Loudoun Health Department – Jerry Franklin
Synagro
Permit file